

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
HAZARDOUS WASTE MANAGEMENT PERMIT

Name of Permittee: Ashland Inc.

Facility Location: 1817 West Indiana Avenue, South Bend, Indiana

EPA Identification Number: IND016621476

Issuance Date: March 26, 2010

Expiration Date: April 15, 2015

Authorized Activities

Pursuant to Indiana Environmental Statutes (IC 13) and the rules promulgated thereunder and codified in Title 329 of the Indiana Administrative Code, Article 3.1 (329 IAC 3.1), the State permit conditions (hereinafter called the permit) of the Resource Conservation and Recovery Act of 1976 (RCRA) permit are issued to Ashland Inc. (hereinafter called the Permittee) to operate a hazardous waste facility located in St. Joseph County, South Bend, Indiana, Section 15, Township 37 N, Range 2 E at latitude 41° 39' 36" N and longitude 86° 16' 52" W, South Bend West Quadrangle, on the U.S. Geological Survey topographic map.

The State RCRA program is authorized under 40 CFR Part 271 and Section 3006 of RCRA to administer the hazardous waste management program in lieu of the Federal program, including administration of most of the Hazardous and Solid Waste Amendments (HSWA) of 1984. Since the State of Indiana has not yet received authorization to administer the most recent hazardous waste program requirements under HSWA, additional permit conditions may be issued by the U.S. EPA to address these new requirements.

The Permittee is authorized to conduct the following hazardous waste management activities:

X	STORAGE		TREATMENT		DISPOSAL
X	Container		Tank		Injection Well
	Tanks		Surface Impoundments		Landfill
	Waste Pile		Incinerator		Land Application
	Surface Impoundment		Other		

Federal regulations 40 CFR Parts 260 through 270 have been incorporated by reference. Where exceptions to incorporated Federal regulations are necessary, these exceptions will be noted in the text of the State rule 329 IAC 3.1-1-7.

The conditions of this permit were developed in accordance with the following applicable provisions of 329 IAC 3.1:

- X ID & Listing of Hazardous Waste
329 IAC 3.1-6
40 CFR 261 Subparts A, B, C, D, and
Appendices I, II, III, VII, VIII, IX, X
- X Standards for Owners and Operators of
Treatment, Storage, and Disposal Facilities
329 IAC 3.1-9
40 CFR 264 Subparts A, B, C, D, and E
- _____ Ground Water Protection
329 IAC 3.1-9
40 CFR 264 Subpart F
- X Closure and Post-Closure
329 IAC 3.1-9
40 CFR 264 Subpart G
- X Financial Requirements
329 IAC 3.1-15

X Use and Management of Containers
329 IAC 3.1-9
40 CFR 264 Subpart I

_____ Tank Systems
329 IAC 3.1-9
40 CFR 264 Subpart J

_____ Surface Impoundments
329 IAC 3.1-9
40 CFR 264 Subpart K

_____ Waste Piles
329 IAC 3.1-9
40 CFR 264 Subpart L

_____ Land Treatment
329 IAC 3.1-9
40 CFR 264 Subpart M

_____ Landfills
329 IAC 3.1-9
40 CFR 264 Subpart N

_____ Incinerators
329 IAC 3.1-9
40 CFR 264 Subpart O

X Corrective Action for Solid
Waste Management Units
329 IAC 3.1-9
40 CFR 264 Subpart S

_____ Drip Pads
329 IAC 3.1-9
40 CFR 264 Subpart W

_____ Air Emission Standards for
Process Vents
329 IAC 3.1-9
40 CFR 264 Subpart AA

- ☐ Air Emission Standards for
Equipment Leaks
329 IAC 3.1-9
40 CFR 264 Subpart BB
- ☐ Air Emission Standards for Tanks
Surface Impoundments and Containers
329 IAC 3.1-9
40 CFR 264 Subpart CC
- ☒ Hazardous Waste Permit Programs
329 IAC 3.1-13
40 CFR 270 Subparts A, B, C, and D
- ☒ Inspection and Investigation
329 IAC 3.1-1-3 and 329 IAC 3.1-1-4
- ☒ Enforcement
329 IAC 3.1-1-5

Permit Approval

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein (including those in any Attachments) and the applicable rules and requirements contained in 329 IAC 3.1 and 40 CFR 260 through 270 as specified in the permit. Applicable rules are those which are in effect on the date of issuance of this permit. (See 329 IAC 3.1-13; 40 CFR 270.32)

This permit is based on the assumption that the information submitted in the permit application attached to the Permittee's letter dated April 27, 2009, and any subsequent amendments (hereafter referred to as the application) is accurate and that the facility has been or will be constructed and/or operated as specified in the application. Any inaccuracies found in the application may be grounds for the modification, revocation and reissuance, or termination of this permit (329 IAC 3.1-13-7), and potential enforcement action. The Permittee must inform the Indiana Department of Environmental Management (IDEM) of any deviation from, or changes in, the information in the application which would affect the Permittee's ability to comply with the applicable rules or permit conditions.

Pursuant to IC 13-15-5-3 and IC 4-21.5-3-5(f), this permit takes effect fifteen (15) days from receipt of this notice. If you wish to challenge this decision, IC 13-15-6-1 and IC 4-21.5-3-7 require that you file a Petition for Administrative Review. If you seek to have the effectiveness of the permit stayed during administrative review, you must also file a Petition for Stay. The petition(s) must be submitted to the Office of Environmental Adjudication, Government Center North, Room 501, 100 North Senate Avenue, Indianapolis, Indiana 46204, within fifteen (15) days after your receipt of this notice. The petition(s) must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision, or otherwise entitled to review by law. Identifying the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, or date of this notice will expedite review of the petition. Additionally, IC 13-15-6-2 requires that a Petition for Administrative Review must include:

1. The name and address of the person making the request.
2. The interest of the person making the request.
3. Identification of any persons represented by the person making the request.
4. The reasons, with particularity, for the request.
5. The issues, with particularity, proposed for consideration at the hearing.
6. Identification of the terms of the permit which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the

requirements of the law governing licenses of the type granted or denied by the Commissioner.

Pursuant to IC 4-21.5-3-1(f), any document serving as a petition for review or review and stay must be filed with the Office of Environmental Adjudication. Filing of such a document is complete on the earliest of the following dates:

1. the date on which the petition is delivered to the Office of Environmental Adjudication, Government Center North, Room 501, 100 North Senate Avenue, Indianapolis, Indiana 46204;
2. the date of the postmark on the envelope containing the petition, if the petition is mailed by United States mail; or
3. the date on which the petition is deposited with a private carrier, as shown by a receipt issued by the carrier, if the petition is sent by private carrier.

The portions of the permit for which a Petition for Stay has been filed will take effect at the expiration of the additional fifteen (15) day period unless or until an Environmental Law Judge stays the permit in whole or in part. This permit shall remain in effect until five (5) years from the effective date unless revoked and reissued, modified, or terminated (329 IAC 3.1-13-7), or continued in accordance with IC 13-15-6-3.

This permit terminates and supersedes any other State hazardous waste management permit.

Issued this 26 day of March 2010.

By: Victor P. Windle
Victor P. Windle, Chief
Hazardous Waste Permit Section
Permits Branch
Office of Land Quality

Ashland Inc.
South Bend, Indiana
IND016621476

TABLE OF CONTENTS

Page

Permit Form

Permit Conditions

I.	Standard Conditions.....	8
II.	General Facility Conditions.....	17
III.	Container Storage Conditions.....	22
IV.	Corrective Action Conditions.....	28

Attachments

A.	Part A Application
B.	Facility Description
C.	Waste Characteristics/Waste Analysis Plan
D.	Security Plan
E.	Inspection Plan
F.	Preparedness and Prevention Plan
G.	Contingency Plan
H.	Personnel Training Plan
I.	Closure Plan
J.	Financial Assurance
K.	Process Information
L.	Groundwater Monitoring-Not Applicable
M.	Corrective Action for Solid Waste Management Units

I. STANDARD CONDITIONS

A. EFFECT OF PERMIT

The Permittee is allowed to store hazardous waste in accordance with the conditions of the RCRA permit. Any storage of hazardous waste not authorized in this permit or the regulations is prohibited.

Pursuant to 329 IAC 3.1 and 40 CFR 260 through 270 (for HSWA Provisions), compliance with the conditions of this RCRA Permit generally constitutes compliance for purposes of enforcement, with the Indiana Environmental Management Act and RCRA, as amended by HSWA, except for those requirements not included in the Permit which become effective by statute, or which are promulgated under 329 IAC 3.1 and 40 CFR Section 260 through 270, restricting the placement of hazardous wastes in or on the land. Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of Federal, State, or local laws or regulations. Compliance with the terms of this permit does not constitute a defense to any Order issued or any action brought under Section 3013 or Section 7003 of RCRA; Section 106(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601), commonly known as CERCLA, as amended by the Superfund Amendments and Reauthorization Act of 1986 (42 U.S.C. 9606(a)), commonly known as SARA, or any other law providing for protection of public health or the environment. 329 IAC 3.1-13; 40 CFR 270.4; IC 13

B. PERMIT ACTIONS

This permit may be modified, revoked and reissued, or terminated for cause as specified in 329 IAC 3.1-13-7. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any permit condition.

C. SEVERABILITY

The provisions of the permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby. In the event that a condition of this permit is stayed for any reason, all provisions of the permit severable from the stayed provisions shall take effect. With regard to stayed provisions of the permit, the Permittee shall continue to comply with the related applicable standards and relevant permitted standards in 329 IAC 3.1-9 and 329 IAC 3.1-15 from the previously issued permit until final resolution of the stayed condition,

unless the Commissioner of the Indiana Department of Environmental Management (Commissioner) determines that compliance with the related applicable and relevant standards would be technologically incompatible with other conditions of this permit which have not been stayed. 329 IAC 3.1-13; 40 CFR 270.32

D. DUTIES AND REQUIREMENTS

1. Duty to Comply. The Permittee shall comply with all conditions of the RCRA permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit. Any permit noncompliance, other than noncompliance authorized by an emergency permit, constitutes a violation of IC 13 and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 329 IAC 3.1-13; 40 CFR 270.30(a); 270.61
2. Duty to Reapply. The Permittee shall submit a complete application for a new permit at least 180 days before this permit expires unless: a) the Permittee no longer wishes to operate a hazardous waste management facility or the Permittee is no longer required to have a RCRA permit, or b) permission for submittal on a later date has been granted by the Commissioner. 329 IAC 3.1-13; 329 IAC 3.1-13-3(h); 40 CFR 270.30(b)

The corrective action obligations contained in this permit will continue regardless of whether the facility continues to operate or ceases operation and closes. The Permittee is obligated to complete facility-wide corrective action under the conditions of this permit regardless of the operational status of the facility. The Permittee must submit an application for permit reissuance at least 180 days before the expiration date of this permit pursuant to 40 CFR 270.10(h) unless: a) the permit has been modified to terminate the corrective action schedule of compliance and the Permittee has been released from the requirements for financial assurance for corrective action; or b) permission for a later date has been granted by the Commissioner. The Commissioner shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

3. Permit Expiration. The duration of this permit shall not exceed five (5) years from the effective date of the permit, except as provided by 329 IAC 3.1-13-15. This permit and all conditions herein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely, complete application for a new permit and through no fault of the Permittee, the Commissioner has not issued a new permit with an effective date under 329 IAC 3.1-13-14 on or before the expiration date of the previous permit. 329 IAC 3.1-13-16

4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. 329 IAC 3.1-13; 40 CFR 270.30(c)
5. Duty to Mitigate. In the event of non-compliance with this Permit, the Permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment. 329 IAC 3.1-13; 40 CFR 270.30(d)
6. Proper Operation and Maintenance. The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facility or similar systems only when necessary to achieve compliance with the conditions of the permit. 329 IAC 3.1-13; 40 CFR 270.30(e)
7. Duty to Provide Information. The Permittee shall furnish to the Commissioner, within a reasonable time, any relevant information which the Commissioner may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Commissioner, upon request, copies of records required to be kept by this permit. 329 IAC 3.1-13; 40 CFR 270.30(h); 264.74
8. Inspection and Entry. Pursuant to 329 IAC 3.1-1-3 and 40 CFR 270.30(i), the Permittee shall allow the Commissioner, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
 - a. Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit (329 IAC 3.1-13; 40 CFR 270.30(i)(1));
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit (329 IAC 3.1-13; 40 CFR 270.30(i)(2));
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit (329 IAC 3.1-13; 40 CFR 270.30(i)(3)); and

- d. Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by IC 13, any substances or parameters at any location (329 IAC 3.1-13; 40 CFR 270.30(i)(4)).

9. Monitoring and Reporting.

- a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from 329 IAC 3.1-6; 40 CFR 261, Appendix I. Laboratory methods must be those specified in Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, (Third Edition as amended by updates) (as referenced in 40 CFR 260.11); Standard Methods for the Examination of Water and Wastewater, (the 19th Edition, 1995); or an equivalent method as specified in the attached Waste Analysis Plan. 329 IAC 3.1-13; 40 CFR 270.30(j)(1)
- b. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports and records required by this permit, and records of all data used to complete the application for this permit for a period of at least three (3) years from the date of the sample, measurement, report, or record or for a period of time greater than three (3) years as specified elsewhere in this permit. Corrective Action records must be maintained at least 3 years after all Corrective Action activities have been completed. These periods may be extended by request of the Commissioner at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility. 329 IAC 3.1-13; 40 CFR 270.30(j)(2) and 40 CFR 264.74(b)
- c. Pursuant to 329 IAC 3.1-13; 40 CFR 270.30(j)(3), records of monitoring information shall include:
 - i. The date(s), exact place, and times of sampling or measurements;
 - ii. The individual(s) who performed the sampling or measurements;
 - iii. The date(s) analyses were performed;
 - iv. The individual(s) and laboratory who performed the analyses;
 - v. The analytical technique(s) or method(s) used. Analytical technique(s) or method(s) is defined as encompassing both the

sampling technique (method) and method of chemical analysis used. This information must be provided in the Waste Analysis Plan; and

- vi. The result(s) of such analyses, including QA/QC documentation.
- d. Monitoring results shall be reported to the Commissioner at the intervals specified elsewhere in this permit. 329 IAC 3.1-13; 40 CFR 270.30(1)(4)
- 10. Reporting Planned Changes. The Permittee shall give notice to the Commissioner as soon as possible of any planned physical alterations or additions to the permitted facility. 329 IAC 3.1-13; 40 CFR 270.30(1)(1)
- 11. Certification of Construction or Modification. Pursuant to 329 IAC 3.1-13; 40 CFR 270.30(1)(2), the Permittee may not treat, store or dispose of hazardous waste in a modified portion of the facility except as provided in 40 CFR 270.42 until:
 - a. The Permittee has submitted to the Commissioner by certified mail or hand delivery a letter signed by the Permittee and a qualified professional engineer stating that the facility has been constructed or modified in compliance with the permit; and
 - b.
 - i. The Commissioner has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or
 - ii. Within 15 days of the date of submission of the letter described in I.D.11.a., the Permittee has not received notice from the Commissioner of his or her intent to inspect, prior inspection is waived and the Permittee may commence treatment, storage, or disposal of hazardous waste.
- 12. Transfer of Permits. This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to 329 IAC 3.1-13; 40 CFR 270.40(b) or 40 CFR 270.41(b)(2) to identify the new Permittee and incorporate such other requirements as may be necessary under IC 13. Before transferring ownership or operation of the facility during its operating life, the Permittee shall notify the new owner or operator, in writing, of the requirements of 329 IAC 3.1 and IC 13, including all applicable corrective action requirements. 329 IAC 3.1-13; 40 CFR 270.40

13. Reporting Anticipated Noncompliance. The Permittee shall give advance notice to the Commissioner of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Such notification does not excuse the Permittee's duty to comply with permit requirements. 329 IAC 3.1-13; 40 CFR 270.30(1)(2)
14. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date. 329 IAC 3.1-13; 40 CFR 270.30(1)(5)
15. Twenty-four Hour Reporting. The Permittee shall report to the Commissioner any noncompliance with the permit which may endanger health or the environment. Any such information shall be reported orally to the IDEM 24 hour emergency telephone number 317/233-7745, within twenty-four (24) hours from the time the Permittee becomes aware of the circumstances. Pursuant to 329 IAC 3.1-13; 40 CFR 270.30(1)(6), this report shall include the following:
 - a. Information concerning the release of any hazardous waste which may endanger public drinking water supplies.
 - b. Information concerning the release or discharge of any hazardous waste, or of a fire or explosion at the facility, which could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include:
 - i. Name, address, and telephone number of the owner or operator;
 - ii. Name, address, and telephone number of the facility;
 - iii. Date, time, and type of incident;
 - iv. Name and quantity of material(s) involved;
 - v. The extent of injuries, if any;
 - vi. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
 - vii. Estimated quantity and disposition of recovered material that resulted from the incident.

A written submission shall also be provided within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance (including exact dates and times); whether the noncompliance has been corrected; and if not, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee need not comply with the five (5)-day written notice requirement if the Commissioner waives the requirement and the Permittee submits a written report within fifteen (15) days of the time the Permittee becomes aware of the circumstances.

16. Other Noncompliance. The Permittee shall report all instances of noncompliance not otherwise required to be reported under Condition I.D.13-15, at the time monitoring reports, as required by this permit, are submitted. The reports shall contain the information listed in Condition I.D.15. 329 IAC 3.1-13; 40 CFR 270.30(1)(10)
17. Other Information. When the Permittee becomes aware that the facility failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Commissioner, the Permittee shall promptly submit such facts or information. 329 IAC 3.1-13; 40 CFR 270.30(1)(11)
18. Submittal of Reports or Other Information. All reports or other information required to be submitted by the terms of this permit shall be sent to:

Commissioner
Indiana Department of Environmental Management
100 North Senate Avenue
Indianapolis, IN 46204-2241
Attention: Chief, Permits Branch

19. All other requirements contained in 40 CFR 270.30 not set forth herein are hereby fully incorporated in this permit.

- E. SIGNATORY REQUIREMENT All reports or other information requested by the Commissioner shall be signed and certified as required by 329 IAC 3.1-13; 40 CFR 270.11.
- F. CONFIDENTIAL INFORMATION The Permittee may claim confidential any information required to be submitted by this permit in accordance with 329 IAC 3.1-13-4, 329 IAC 6.1, and IC 13-14-11-1.

G. WASTE MINIMIZATION

The Permittee shall certify at least annually that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste that the Permittee generates to the degree determined by the Permittee to be economically practicable; and the proposed method of treatment, storage, or disposal is that practicable method currently available to the Permittee which minimizes the present and future threat to human health and the environment, in accordance with 40 CFR 264.73(b)(9) and Section 3005(h) of RCRA, 42 U.S.C. §6925(h). The certifications shall be recorded, as they become available, and maintained in the operating record until closure of the facility.

H. DOCUMENTS TO BE MAINTAINED AT FACILITY SITE Except as noted in the regulations, the Permittee shall maintain at the facility, until closure is completed and certified by the owner/operator and an independent registered professional engineer, the following documents and amendments, revisions and modifications to these documents:

1. Waste Analysis Plan as required by 329 IAC 3.1-9, 40 CFR 264.13 and this permit and any document(s) referenced therein to describe on-site procedures.
2. Personnel training documents and records as required by 329 IAC 3.1-9, 40 CFR 264.16(d) and (e) and this permit.
3. Contingency Plan as required by 329 IAC 3.1-9, 40 CFR 264.53(a), and this permit.
4. Closure Plan as required by 329 IAC 3.1-9, 40 CFR 264.112(a)(2), and this permit.
5. Cost estimate for facility closure as required by 329 IAC 3.1-15-3, and this permit.
6. Operating record as required by 329 IAC 3.1-9, 40 CFR 264.73, and this permit.
7. Inspection schedules as required by 329 IAC 3.1-9, 40 CFR 264.15(b)(2), and this permit.
8. Record of facility inspections, as required by 329 IAC 3.1-9, 40 CFR 264.15(d), and this permit, shall be maintained for at least three years.
9. Copies of all manifests for shipments of hazardous waste received at and originating from this facility, as required by 329 IAC 3.1-7, 329 IAC 3.1-9-2(6), 40 CFR 262.40, 40 CFR 264.71, and this permit, shall be maintained for at least three years.

10. Notifications from generators subject to 40 CFR 268, Subtitle C, that specify treatment standards, as required by 40 CFR 264.73, 40 CFR 268.7, and this permit.
11. Waste minimization certifications must be part of the operating record as required by 40 CFR 264.73(b)(9).
12. Corrective Action reports and records as required by Permit Condition IV. of this permit. These reports and records must be maintained for at least 3 years after all Corrective Action Activities have been completed.

II. GENERAL FACILITY CONDITIONS

- A. DESIGN AND OPERATION OF FACILITY The Permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, ground water or surface water which could threaten human health or the environment.
- B. REQUIRED NOTICE
- (1) The Permittee shall notify the Commissioner in writing at least four (4) weeks in advance of the date the Permittee expects to receive hazardous waste from a foreign source. Notice of subsequent shipments of the same waste having the same EPA hazardous waste number from the same foreign source is not required. 329 IAC 3.1-9, 40 CFR 264.12(a)
 - (2) When the Permittee is to receive hazardous waste from an off-site source (except where the Permittee is also the generator), it must inform the generator in writing that it has the appropriate permits for, and will accept, the waste the generator is shipping. The Permittee must keep a copy of this written notice as part of the operating record. (See Permit Condition II.K.1). 329 IAC 3.1-9, 540 CFR 264.12(b)
- C. GENERAL WASTE ANALYSIS The Permittee shall comply with the procedures described in Attachment C, Waste Analysis Plan, which is incorporated herein by reference.
- D. SECURITY The Permittee shall comply with the security provisions of 329 IAC 3.1-9 and 40 CFR 264.14(b) and (c) as described in Attachment D, Security Plan, which is incorporated herein by reference.
- E. GENERAL INSPECTION REQUIREMENTS The Permittee shall follow the inspection schedule in Attachment E, Inspection Plan. The Permittee shall remedy any deterioration or malfunction discovered by an inspection as required by 329 IAC 3.1-9 and 40 CFR 264.15(c). Records of inspections shall be kept as required by 329 IAC 3.1-9 and 40 CFR 264.15(d).
- F. PERSONNEL TRAINING The Permittee shall conduct personnel training as required by 329 IAC 3.1-9 and 40 CFR 264.16. This training program shall follow the attached outline in Attachment H, Personnel Training Plan, which is incorporated herein by reference. The Permittee shall maintain training documents and records as required by 329 IAC 3.1-9 and 40 CFR 264.16(d) and (e).

G. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE The Permittee shall comply with the requirements of 329 IAC 3.1-9 and 40 CFR 264.17.

H. LOCATION STANDARDS The permittee shall comply with the requirements set forth in Attachment B, Facility Description, which is incorporated herein by reference.

I. PREPAREDNESS AND PREVENTION

1. Required Equipment. The Permittee shall equip the facility with the equipment set forth in Attachment F, Preparedness and Prevention Plan, which is incorporated herein by reference, and as required by 329 IAC 3.1-9 and 40 CFR 264.32.
2. Testing and Maintenance of Equipment. The Permittee shall test and maintain the equipment specified in Attachment F, Preparedness and Prevention Plan, (see the previous permit condition) as necessary to assure its proper operation in time of emergency. Such testing and maintenance activities are set forth in the Inspection and Testing Program schedule in Attachment G, Contingency Plan.
3. Access to Communications or Alarm System. The Permittee shall maintain access to the communications or alarm systems as required by 329 IAC 3.1-9 and 40 CFR 264.34.
4. Required Aisle Space. The Permittee shall maintain aisle space as required by 329 IAC 3.1-9 and 40 CFR 264.35.
5. Arrangements with Local Authorities. The Permittee shall attempt to make arrangements with State and local authorities as required by 329 IAC 3.1-9 and 40 CFR 264.37. If State or local officials refuse to enter into preparedness and prevention arrangements with the Permittee, the Permittee must document this refusal in the operating record.

J. CONTINGENCY PLAN

1. Implementation of Plan. The Permittee shall immediately comply with the provisions of Attachment G, Contingency Plan, and follow the emergency procedures described by 329 IAC 3.1-9-2(4) and (5) and 40 CFR 264.56 whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which threatens or could threaten human health or the environment.

2. Copies of Plan. The Permittee shall comply with the requirements of 329 IAC 3.1-9 and 40 CFR 264.53.
3. Amendments to Plan. The Permittee shall review and immediately amend, if necessary, the Contingency Plan, as required by 329 IAC 3.1-9 and 40 CFR 264.54.
4. Emergency-Coordinator. The Permittee shall comply with the requirements of 329 IAC 3.1-9 and 40 CFR 264.55, concerning the Emergency Coordinator.

K. MANIFEST SYSTEM The Permittee shall comply with the manifest requirements of 329 IAC 3.1-9, 40 CFR 264.71, 264.72, and 264.76.

L. RECORD KEEPING AND REPORTING In addition to the record keeping and reporting requirements specified elsewhere in this Permit, the Permittee shall comply with the following record keeping and reporting requirements:

1. Operating Record. The Permittee shall maintain a written operating record at the facility in accordance with 329 IAC 3.1-9 and 40 CFR 264.73.
2. Sampling and Analysis Records. The Permittee shall keep original or exact copies of all sampling and analysis records. These records shall be kept in an orderly manner and available for inspection, in accordance with 329 IAC 3.1-9 and 40 CFR 264.74.
3. Biennial Report. The Permittee shall comply with the biennial report requirements of 329 IAC 3.1-9 and 40 CFR 264.75.

M. CLOSURE

1. Performance Standard. The Permittee shall close the facility as required by 329 IAC 3.1-9 and 40 CFR 264.111 and in accordance with Attachment I, Closure Plan, which is incorporated herein by reference.
2. Amendment to Closure Plan. The Permittee shall amend the Closure Plan in accordance with 329 IAC 3.1-9 and 40 CFR 264.112(c) whenever necessary, and whenever requested by the Commissioner in accordance with 40 CFR 264.112(c)(4).
3. Notification of Closure. Pursuant to 329 IAC 3.1-9 and 40 CFR 264.112(d) the Permittee shall notify the Commissioner in writing at least sixty (60) days prior to the date he expects to begin closure of a surface impoundment, waste pile, land treatment, or landfill unit, or final closure of a facility with such a unit. The

Permittee must notify the Commissioner in writing at least forty-five (45) days prior to the date on which he expects to begin final closure of a facility with only treatment or storage tanks, container storage, or incinerator units to be closed.

4. Time Allowed for Closure. After receiving the final volume of hazardous waste, the Permittee shall treat or remove from the site all hazardous waste in accordance with the schedule specified in Attachment I, Closure Plan. After receiving the final volume of hazardous waste, the Permittee shall complete closure activities in accordance with the schedule specified in the Closure Plan.
5. Disposal and/or Decontamination of Equipment. When closure is completed, the Permittee shall decontaminate and/or dispose of all facility equipment contaminated with hazardous waste as required by 329 IAC 3.1-9, 40 CFR 264.114 and Attachment I, Closure Plan.
6. Certification of Closure. When closure is completed, the Permittee and an independent registered professional engineer shall certify to the Commissioner that the facility has been closed in accordance with the specifications in the Closure Plan as required by 329 IAC 3.1-9 and 40 CFR 264.115.

N. COST ESTIMATE FOR FACILITY CLOSURE The Permittee's closure cost estimate, prepared in accordance with 329 IAC 3.1-15-3, is specified in Attachment I, Closure Plan.

1. When using the financial test or corporate guarantee, the Permittee must adjust the closure cost estimate for inflation within thirty (30) days after the close of the Permittee's fiscal year and before the submission of updated information to the Commissioner, as required by 329 IAC 3.1-15-3(b).
2. The Permittee must revise the closure cost estimate whenever there is a change in the facility's closure plan as required by 329 IAC 3.1-15-3(c).
3. The Permittee must keep at the facility the latest closure cost estimate as required by 329 IAC 3.1-15-3(d).

O. FINANCIAL ASSURANCE FOR FACILITY CLOSURE The Permittee shall demonstrate continuous compliance with 329 IAC 3.1-15-4 by providing documentation of financial assurance when required, and as specified by 329 IAC 3.1-15-10, in at least the amount of the cost estimates required by Permit Condition II.N. Changes in financial assurance mechanisms must be approved by the Commissioner pursuant to 329 IAC 3.1-15-4.

- P. INCAPACITY OF OWNERS OR OPERATORS, GUARANTORS, OR FINANCIAL INSTITUTIONS The Permittee shall comply with 329 IAC 3.1-15-9 whenever necessary.
- Q. LIABILITY REQUIREMENTS The Permittee shall demonstrate continuous compliance with the requirements of 329 IAC 3.1-15-8 and the documentation requirements of 329 IAC 3.1-15-10, including the requirements to have and maintain liability coverage for sudden, and accidental occurrences in the amount of a least \$1 million per occurrence with an annual aggregate of at least \$2 million for sudden accidental occurrences.
- R. LAND DISPOSAL RESTRICTIONS
1. The Permittee shall comply with all the applicable self-implementing requirements of 40 CFR Part 268 and all applicable land disposal requirements which become effective by federal statute.
 2. The Permittee shall comply with the dilution prohibition requirements described in 40 CFR 268.3.
 3. The Permittee shall comply with all the applicable prohibitions on storage of restricted wastes specified in 40 CFR 268 Subpart E.
 4. If the Permittee applies to the administrator of the EPA for an exemption from land disposal restrictions described in 329 IAC 3.1-12-2, the Permittee must submit copies of such request and all supporting documents to the commissioner. If the Permittee obtains an exemption from the administrator of the EPA, the Permittee must apply to the commissioner for concurrence that such an exemption is consistent with the policies outlined in IC 13.

III. CONTAINER STORAGE CONDITIONS

A. WASTE IDENTIFICATION

1. The Permittee may store a total volume of 38,280 gallons of the following wastes in containers at the facility, subject to the terms of this permit:

<u>EPA CODE</u>	<u>DESCRIPTION</u>
D001	Ignitable
D002	Corrosive
D003	Reactive
D004	TCLP for Arsenic
D005	TCLP for Barium
D006	TCLP for Cadmium
D007	TCLP for Chromium
D008	TCLP for Lead
D009	TCLP for Mercury
D010	TCLP for Selenium
D011	TCLP for Silver
D012	TCLP for Endrin
D013	TCLP for Lindane
D014	TCLP for Methoxychlor
D015	TCLP for Toxaphene
D016	TCLP for 2,4-D
D017	TCLP for 2,4,5-TP (Silvex)
D018	TCLP for Benzene
D019	TCLP for Carbon Tetrachloride
D020	TCLP for Chlordane
D021	TCLP for Chlorobenzene
D022	TCLP for Chloroform
D023	TCLP for o-Cresol
D024	TCLP for m-Cresol
D025	TCLP for p-Cresol
D026	TCLP for Cresol
D027	TCLP for 1,4-Dichlorobenzene
D028	TCLP for 1,2-Dichloroethane
D029	TCLP for 1,1-Dichloroethylene
D030	TCLP for 2,4-Dinitrotoluene
D031	TCLP for Heptachlor (and its epoxide)
D032	TCLP for Hexachlorobenzene
D033	TCLP for Hexachlorobutadiene

D034	TCLP for Hexachloroethane
D035	TCLP for Methyl Ethyl Ketone
D036	TCLP for Nitrobenzene
D037	TCLP for Pentrachlorophenol
D038	TCLP for Pyridine
D039	TCLP for Tetrachloroethylene
D040	TCLP for Trichloroethylene
D041	TCLP for 2,4,5-Trichlorophenol
D042	TCLP for 2,4,6-Trichlorophenol
D043	TCLP for Vinyl Chloride

- F001 Spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures, blends used in degreasing containing, before use, a total of ten percent (10%) or more (by volume) of one (1) or more of the above halogenated solvents or those listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and solvent mixtures.
- F002 Spent halogenated solvents: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and solvent mixtures.
- F003 Spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol, all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and a total of ten percent or more (by volume) of one (1) or more of the still bottoms from the recovery of these spent solvents and solvent mixtures.
- F004 Spent non-halogenated solvents: cresols, and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent (10%) or more (by volume) of one (1) or more of the above non-halogenated solvents or those listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and solvent mixtures.

F005	Spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten (10%) percent or more (by volume) of one (1) or more of the above non-halogenated solvents or those listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and solvent mixtures.
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps and stabilizers containing chromium and lead.
U002	Acetone
U019	Benzene
U031	n-Butyl alcohol
U043	Vinyl chloride
U044	Chloroform
U056	Cyclohexane
U057	Cyclohexanone
U069	Dibutyl phthalate
U077	Ethylene dichloride
U080	Methylene chloride
U112	Ethyl acetate
U140	Isobutyl alcohol
U154	Methanol
U159	Methyl ethyl ketone (MEK)
U161	Methyl isobutyl ketone
U210	Tetrachloroethylene
U211	Carbon tetrachloride
U220	Toluene
U226	1,1,1-trichloroethane
U228	Trichloroethylene
U239	Xylene
U359	Ethylene glycol monoethyl ether
U404	Triethylamine

2. The permitted storage volume of 38,280 (equivalent to 696, 55-gallon drums) shall only include a maximum of 12,320 gallons (equivalent to 224, 55-gallon drums) of ignitable waste.
3. The Permittee is prohibited from storing hazardous waste that is not identified in Permit Condition III.A.1.

- B. UNIT LOCATION The container handling and storage facility is located in the west warehouse as shown in the site plan in Attachment B, Facility Description, Attachment B-10.
- C. CONDITION OF CONTAINERS If a container holding hazardous waste is not in good condition (e.g., appreciable rusting, apparent structural defects) or if it begins to leak, the Permittee shall transfer the hazardous waste from such container to a container that is in good condition or otherwise manage the waste in compliance with the conditions of this permit. (329 IAC 3.1-9 and 40 CFR 264.171)
- D. COMPATIBILITY OF WASTE WITH CONTAINERS The Permittee shall assure that the ability of the container to contain the waste is not impaired as required by 329 IAC 3.1-9 and 40 CFR 264.172.
- E. MANAGEMENT OF CONTAINERS
1. The Permittee shall manage containers as follows as required by 329 IAC 3.1-9 and 40 CFR 264.173.
 - (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.
 - (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
 - (c) Containers of thirty (30) gallons or more must be stored so that they can be inspected for leaks and for deterioration caused by corrosion or other factors, without having to move the containers during the inspection and must have adequate aisle space between rows (approximately two and one-half feet (2 1/2)) to facilitate inspection.
 2. (a) The Permittee shall be allowed to "stage" incoming containerized wastes in designated areas. Incoming waste shall be placed in permitted units within 3 operating days of entering the facility boundary (or contiguous property controlled by the Permittee) unless the Permittee rejects all or part of the shipment. In the case of rejected loads the Permittee shall have an additional 24 hours to ship the waste off-site to an alternate TSDF or to the generator, in accordance with the requirements of IC 13-22-5. Operating day is defined as any 24 hour period during which at least a partial shift is worked by employees who process, treat, place into storage, or dispose of hazardous waste at the facility.

- (b) Containerized waste being transferred from one permitted unit to another (such as from container storage to tank storage) shall remain outside of permitted units only for the minimum time necessary to move the containers and transfer the waste. In no instance shall this transfer period exceed 8 hours.
- (c) The Permittee shall not have more than 38,280 gallons of containerized hazardous waste at the facility at any one time. All containers of waste at the facility shall be counted towards the permitted capacity including, but not limited to, containerized waste in trucks, in trailers, on the loading docks, in permitted storage units, and in processing areas.

- F. CONTAINMENT The Permittee shall construct, operate, and maintain the containment system in accordance with the requirements of 329 IAC 3.1-9 and 40 CFR 264.175 as specified in Attachment K, Process Information, which is incorporated herein by reference.
- G. INSPECTION The Permittee shall inspect the container storage areas monthly when waste is not stored and at least weekly when waste is present to detect leaking containers and the deterioration of containers and containment system caused by corrosion or other factors. The Permittee shall inspect the container storage areas once the stored waste is removed as stated in Attachment E.
- H. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE The Permittee shall not locate containers holding ignitable or reactive waste within fifteen (15) meters (fifty (50) feet) of the facility's property line, as required by 329 IAC 3.1-9 and 40 CFR 264.176.
- I. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTE
 - 1. Prior to placing incompatible waste or incompatible waste and materials in the same container, the Permittee shall comply with 329 IAC 3.1-9 and 40 CFR 264.17(b) as specified in Attachment C, Waste Characteristics.
 - 2. The Permittee shall not place hazardous waste in an unwashed container that previously held an incompatible waste or materials.
 - 3. The Permittee shall separate containers of incompatible wastes as indicated in Attachment C, Waste Characteristics as required by 329 IAC 3.1-9 and 40 CFR 264.177(c).
 - 4. The Permittee must document compliance with Permit Condition III.I.3. as required by 329 IAC 3.1-9 and 40 CFR 264.17(c) and place this documentation in the operating record (Permit Condition II.L.1.).

J. CLOSURE REQUIREMENTS

1. At closure, all hazardous waste and hazardous waste residues must be removed from the containment system. Remaining containers, liners, bases, and soil containing or contaminated with hazardous waste or hazardous waste residues must be decontaminated or removed, as required by 329 IAC 3.1-9 and 40 CFR 264.178, and in accordance with Attachment I, Closure Plan.
2. At closure, as throughout the operating period, unless the Permittee can demonstrate in accordance with 329 IAC 3.1-9 and 40 CFR 261.3(d) that the solid waste removed from the containment system is not a hazardous waste, the Permittee becomes a generator of hazardous waste and must manage it in accordance with all applicable requirements of 329 IAC 3.1 and 40 CFR 262 through 266. (329 IAC 3.1-9 and 40 CFR 264.178)
3. Upon certification by the owner/operator and an independent registered professional engineer that part or all of the storage facility has been properly closed, those provisions of this permit which allow for the continued operation of the closed portion of the facility are terminated. The amount of wastes allowed to be stored is reduced to reflect the partial closure of this facility. Waste types which were only authorized for storage at the closed portion of the facility are deleted from this permit.

IV. CORRECTIVE ACTION CONDITIONS

A. CORRECTIVE ACTION AT THE FACILITY

1. In accordance with Section 3004(u) of RCRA (Indiana Code 13-22-2-5) and the regulations promulgated pursuant thereto, the Permittee must institute Corrective Action as necessary to protect human health and the environment for all releases of hazardous waste(s) or hazardous constituent(s) from any solid waste management unit (SWMU), solid waste management area (SWMA) that encompasses units that can be investigated jointly, or area of concern (AOC) at the facility, regardless of the time the waste was placed in such units. The Permittee shall perform all such work in a manner consistent with, at a minimum, the Corrective Action Scope of Work found in Attachment M, Appendix M-3.

The Permittee may use the principles and procedures set forth in IDEM's Risk Integrated System of Closure (RISC) Technical Resource Guidance Document and User's Guide, dated February 2001, and all revisions and additions thereto, or other risk-based methodologies approved by IDEM's Office of Land Quality Permits Branch, as the basis for selecting risk-based endpoints that will be used for the investigations, studies, interim measures, and corrective measures under the permit. The Permittee shall perform all such work in a manner consistent with, at a minimum, the RISC Technical Guide and Chapter 2 of the RISC Users Guide. The Corrective Action Scope of Work referred to in the RISC Users Guide is included in Attachment M of this permit.

2. Corrective Action Beyond The Facility Boundary

In accordance with Section 3004(v) of RCRA (Indiana Code 13-22-2-5) and the regulations promulgated pursuant thereto, the Permittee must implement Corrective Action(s) beyond the facility property boundary, where necessary to protect human health and the environment, unless the Permittee demonstrates to the IDEM's satisfaction that, despite the Permittee's best efforts, the Permittee was unable to obtain the necessary permission to undertake such actions. The Permittee is not relieved of all responsibility to clean up a release that has migrated beyond the facility boundary where off-site access is denied. On-site measures to address such releases will be addressed under the RCRA Facility Investigation, Corrective Measures Study, and Corrective Measures Implementation phases, as determined to be necessary on a case-by-case basis.

3. Notification

a. Field Activities

The Permittee shall notify IDEM as soon as practically possible before engaging in any field activities, such as well drilling, installation of equipment, or sampling. At the request of IDEM, the Permittee shall provide IDEM or its authorized representative split samples of all samples collected by the Permittee pursuant to this permit. Similarly, at the request of the Permittee, IDEM shall allow the Permittee or its authorized representatives to take split or duplicate samples of all samples collected by IDEM under this permit.

b. Submittals

One hard copy and one electronic copy of all reports, plans, and other submissions relating to or required by this permit shall be sent to:

Indiana Department of Environmental Management
OLQ Permits Branch – Mail Code 66-20
100 N. Senate Avenue
Indianapolis, IN 46204
Attention: Chief, Hazardous Waste Permit Section

B. IDENTIFICATION OF SWMUs

1. Definitions

- a. “Area of Concern (AOC)” means a unit or area that could potentially produce unacceptable exposures or be a potential source of ground water contamination, but the unit or area does not meet the definition of a solid waste management unit.
- b. “Facility” means all contiguous property under the control of the owner/operator of a facility seeking a permit under subtitle C.
- c. “Hazardous waste,” as defined in IC 13-11-2-99, means a solid waste or combination of solid wastes that may cause or significantly contribute to an increase in: mortality, serious irreversible illness, or an incapacitating reversible illness; or pose a substantial present or potential hazard to human health or the environment. This term is further defined in 40 CFR 261.3.

- d. "Hazardous constituent" means any constituent identified in appendix VIII of 40 CFR part 261, or any constituent identified in appendix IX of 40 CFR part 264.
- e. "Release" means any spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, dumping, or disposing of hazardous wastes or hazardous constituents into the environment, including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous wastes or hazardous constituents.
- f. "Solid waste" means any garbage, refuse, sludge, or other discarded material, including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, or agricultural operations or from community activities. This term is further defined in 40 CFR Part 261.2.
- g. "Solid Waste Management Unit (SWMU)" means any discernable unit, permitted or unpermitted, existing or historical, at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at a facility at which solid wastes have been routinely and systematically released.

2. SWMUs, SWMAs and AOCs Requiring Corrective Action

Based on the information contained in the administrative record, corrective action is required at the SWMUs, SWMAs, and AOCs listed below. The sixteen (16) individual SWMUs have been grouped into three (3) Solid Waste Management Areas (SWMAs), identified as SWMA 1, SWMA 2, and SWMA 3. A map showing the location of these SWMUs, SWMAs, and AOCs is given in Attachment M, Appendix M-1a and M-1b.

3. Coordination with the U.S. EPA

Ashland submits required corrective action documents to both the U.S. EPA and IDEM, but presently, U.S. EPA is providing oversight on behalf of IDEM.

SWMUs/SWMAs/AOCs Name and Identification Number

Units	Required Action
SWMA 1 SWMU 1 and A7 – Underground Product Storage Tank Area SWMU 2 and A6 – Chemical Storage Tank Area SWMU 3 – Product Spill Recovery and Storm Water Management System Tank 1 SWMU 4 – Product Spill Recovery and Storm Water Management System Tank 2 SWMU 5 – Tank Truck Solvent Loading and Unloading Rack SWMU 9 – Tank Truck Acids and Caustics Loading and Unloading Pad SWMU A13 – Underground Product Spill Recovery Tanks	A CMS is required to evaluate the corrective action alternative(s) that will satisfy performance objectives. If necessary, conduct investigation to determine the nature and extent of any new or continuing release.
SWMA 2 SWMU 7 – Product Storage Tank Area SWMU A8 – Truck Loading and Unloading Areas SWMU A14 – Tank Truck Loading and Unloading Area SWMU 10 – Tank SWMU A15 – Gasoline Underground Storage Tank Area SWMU A9 – Gasoline Tank Truck Loading and Unloading Area SWMU A16 – Oil Storage Building	A CMS is required to evaluate the corrective action alternative(s) that will satisfy performance objectives. If necessary, conduct investigation to determine the nature and extent of any new or continuing release.
SWMA 3 SWMU A17 – Elementary Neutralization Process Flow Through Tank SWMU 6 – Limestone Neutralization Tank	A CMS is required to evaluate the corrective action alternative(s) that will satisfy performance objectives. If necessary, conduct investigation to determine the nature and extent of any new or continuing release.
AOC 1 Ashland Distribution Company is suspected as a source of volatile organic compounds detected in groundwater, off-site, north and north-west of the Ashland facility, extending to the Olive-Sample Well Field.	A CMS is required to evaluate the corrective action alternative(s) that will satisfy performance objectives. If necessary, conduct investigation to determine the nature and extent of any new or continuing release.
AOC 2 Volatile organic compounds and other contaminants have been detected in the groundwater and soil in the off-site area north and north-west of the facility, between Ashland Distribution Company and Whiteford Site.	A CMS is required to evaluate the corrective action alternative(s) that will satisfy performance objectives. If necessary, conduct investigation to determine the nature and extent of any new or continuing release.

C. NEWLY IDENTIFIED SWMUs OR RELEASES

1. Notification Requirements

The Permittee shall notify the IDEM, within thirty (30) days of discovery, of the following information requirements for any new SWMU identified at the facility, in accordance with 329 IAC 3.1-13-1 and 40 CFR 270.14(d):

- a. the location of the unit on the site topographic map;
- b. designation of the type of unit;
- c. general dimensions and structural description (supply any available drawings);
- d. when the unit was operated; and
- e. specifications of all waste(s) that have been managed at the unit.

2. Release Information

The Permittee must submit to the IDEM, within thirty (30) days of discovery, all available information pertaining to any release of hazardous waste(s) or hazardous constituent(s) from any new or existing SWMU.

3. Corrective Action

The IDEM will review the information provided in Condition IV.C. 1 and 2 above, and may as necessary, require further investigations or corrective measures. The Permittee shall submit a written RFI Workplan to the Section Chief of the Hazardous Waste Permit Section in accordance with Condition IV.D.2.

D. CORRECTIVE ACTION ACTIVITIES

The major tasks and required submittal dates are shown below. Additional tasks and associated submittal dates may also be specified in the Corrective Action Activities Schedule (Condition IV.F.).

1. Interim Measures (IM)

- a. The Permittee may undertake interim measure activities to prevent or minimize the further spread of contamination while long-term remedies are pursued. An IM Workplan shall be submitted to the IDEM for approval

before the Permittee initiates any remedial activity. The interim measure(s) must be capable of being integrated into any long-term solution at the facility.

- b. In the event the Permittee identifies an immediate threat to human health or the environment, the Permittee shall immediately notify the Section Chief orally and in writing within seven (7) days summarizing the immediacy and magnitude of the potential threat to human health or the environment.

Upon receiving this information, the IDEM will determine if an IM Workplan is necessary. If one is necessary, the Section Chief will send a notice to the Permittee requiring the submission of an IM Workplan. Within twenty-one (21) days after receiving this notice, the Permittee shall submit to the Section Chief a workplan for approval that identifies the interim measure(s).

The workplan should be consistent with and integrated into any long-term solution at the facility. In addition, the following Interim Measure schedule shall be initiated:

- i. Within five (5) days, the Permittee shall provide an alternate water supply to parties that have a contaminated water supply well;
- ii. Within seven (7) days, the Permittee shall submit a report to the Section Chief detailing the activity pursued and a plan for further Interim Measures activity;
- iii. Within seven (7) days following the Section Chief's transmission of comments, the Permittee shall revise the plan in accordance with the comments; and
- iv. Within seven (7) days following the IDEM's approval or modification of the plan, the Permittee shall implement the revised plan in accordance with the schedule therein.

2. RCRA Facility Investigation (RFI)

The Permittee shall conduct an RFI to thoroughly evaluate the nature and extent of the release of hazardous waste(s) and hazardous constituent(s) from all SWMUs and AOCs identified as requiring an RFI.

a. RFI Workplan

The Permittee shall submit a written RFI Workplan to the Section Chief within ninety (90) days after written notification by the Section Chief that further investigation is necessary.

The IDEM will approve, modify and approve, or disapprove and provide comments on the Workplan in writing to the Permittee. Within sixty (60) days of receipt of such comments, the Permittee shall provide a response to the IDEM's comments.

b. RFI Implementation

Within thirty (30) days of the IDEM's written approval of the RFI Workplan, the Permittee shall implement the plan according to the terms and schedule contained therein.

c. RFI Report

Within ninety (90) days after the completion of the RFI, the Permittee shall submit an RFI Report to the Section Chief. The RFI Report shall describe the procedures, methods, and results of the RFI. The report must contain adequate information to support further corrective action decisions at the facility. After the Permittee submits the RFI Report, the IDEM shall either approve or disapprove the report in writing. If the IDEM disapproves the report, the Section Chief shall notify the Permittee in writing of the deficiencies. The Permittee has sixty (60) days after receipt of the IDEM's comments to submit a revised RFI Report to the Section Chief.

3. Determination of No Further Action

a. Permit Modification

After completion of the RFI, and based on its results and other relevant information, the Permittee may submit an application to the Section Chief for a permit modification under 40 CFR 270.42 to terminate the corrective action tasks of the Corrective Action Activities Schedule for all or a portion of the facility. Tasks identified in Permit Condition IV.F. for the SWMUs, solid waste management areas (a group of SWMUs in an area to be addressed as a single unit), and/or AOCs identified in the modification (for a determination of no further action) shall be stayed pending a decision by the IDEM. This permit modification must conclusively demonstrate that

there are no releases of hazardous waste(s), including hazardous constituents, from SWMUs or AOCs at the facility that pose a threat to human health and the environment.

If, based upon review of the Permittee's request for a permit modification, the results of the completed RFI, and other information, IDEM determines that releases or suspected releases that were investigated either are nonexistent or do not pose a threat to human health or the environment, IDEM will grant the requested modification.

b. Further Investigations

A determination of no further action shall not preclude the IDEM from requiring further investigations, studies, or remediation at a later date, if new information or subsequent analysis indicates that a release or likelihood of a release from a SWMU or AOC at the facility is likely to pose a threat to human health or the environment. In such a case, the IDEM shall initiate a modification to the Corrective Action Activities Schedule to rescind the determination made in accordance with Condition IV.D.3.a. Additionally, the IDEM may determine that there is insufficient information on which to base a determination, and may require the Permittee to perform additional investigations as needed to generate the needed information.

4. Corrective Measures Study (CMS) and Remedy Selection

If the IDEM determines, based on the results of the RFI and other relevant information, that corrective measures are necessary, the Section Chief will notify the Permittee in writing that the Permittee shall conduct a CMS. The purpose of the CMS is to develop and evaluate the corrective action alternative(s) that will satisfy the performance objectives specified by the IDEM. The CMS shall be initiated sixty (60) days of notification by the Section Chief that the CMS is required. This period of time may be extended by the Section Chief if necessary to adequately complete the CMS. Note that this process can be significantly shortened by the selection of presumptive remedies (i.e., remedies that are known to be effective). Additional tasks and associated submittal dates may also be specified in the Corrective Action Activities Schedule (Condition IV.F.).

a. CMS Report

Within sixty (60) days after the completion of the CMS, the Permittee shall submit a CMS Report to the Section Chief. The CMS Report shall summarize the results of the investigations for each remedy studied and

must include an evaluation of each remedial alternative. After the Permittee submits the CMS Report, the IDEM shall either approve, modify and approve, or disapprove the Report. If the IDEM disapproves the Report, the Section Chief shall notify the Permittee in writing of the deficiencies. The Permittee has thirty (30) days after receipt of the IDEM's comments to submit a revised CMS Report to the Section Chief. The CMS Report, as approved, becomes an enforceable condition of this permit.

b. CMS Remedy Selection

The IDEM will select a corrective measure for implementation based on the following factors. The corrective measure selected for implementation must: (1) be protective of human health and the environment; (2) attain media cleanup standards; (3) control the source(s) of releases so as to reduce or eliminate further releases of hazardous waste(s) (including hazardous constituent(s)); (4) minimize the transfer of contamination from one environmental medium to another; and (5) comply with all applicable standards for management of wastes.

If two or more of the corrective measures studied meet the threshold criteria set out above, the IDEM will choose among alternatives for Corrective Measures Implementation by considering remedy selection factors including: (1) long-term reliability and effectiveness; (2) the degree to which the corrective measure will reduce the toxicity, mobility or volume; (3) the corrective measure's short-term effectiveness; (4) the corrective measure's implementability; and (5) the relative cost associated with the alternative. In selecting the corrective measure(s), the IDEM may also consider such other factors as may be presented by site-specific conditions.

5. Permit Modification

Within thirty (30) days of IDEM's selection of a corrective measure, IDEM or the Permittee will initiate a permit modification, pursuant to 40 CFR 270.41 or 40 CFR 270.42, respectively, for the implementation of the corrective measure(s) selected. No permit modification fees are required for any modifications submitted under this condition.

6. Corrective Measures Implementation (CMI)

- a. If the corrective measure(s) recommended in the Corrective Measures Study Report is (are) not the corrective measure(s) selected by IDEM after consideration of public comments, the Section Chief shall inform the

Permittee in writing of the reasons for such decision. Thirty (30) days after the effective date of the permit modification, the Permittee shall implement the corrective measure(s).

b. Financial Assurance

As part of the permit modification of this permit to incorporate the CMI, the Permittee shall provide financial assurance in the amount specified in the IDEM-approved CMS Report as required by 40 CFR 264.101(b) and (c).

7. Incorporation of plans and reports

All approved plans and reports prepared for this permit shall be incorporated into this permit on the date the Section Chief or his/her designee approves such plan or report.

E. DISPUTE RESOLUTION

1. If IDEM disapproves or modifies and approves any submission required by Condition IV.D. of the permit, IDEM shall provide the Permittee with a written notice setting forth the reasons for the disapproval or modification and approval.
2. If the Permittee disagrees, in whole or in part, with any written decision concerning IDEM's disapproval or modification and approval of any submission required by Condition IV.D. of the permit, the Permittee shall notify IDEM of the dispute. The Permittee and IDEM shall informally, and in good faith, endeavor to resolve the dispute.
3. If the Permittee and IDEM cannot resolve the dispute informally, the Permittee may pursue the matter formally by submitting a written statement of position to the Commissioner or his/her designee, within twenty-eight (28) days of receipt of IDEM's written disapproval or modification and approval. The Permittee's statement of position shall set forth the specific matters in dispute, the position that the Permittee asserts should be adopted as consistent with the requirements of the permit, the basis for the Permittee's position, and shall include any supporting documentation. If the Permittee fails to follow any of the requirements contained in this paragraph, then it shall have waived its right to further consideration of the disputed issue. The decision to discontinue further consideration under this condition shall constitute a final agency action.

4. IDEM and the Permittee shall have an additional fourteen (14) days from the date of the Commissioner's receipt of the Permittee's statement of position to meet or confer to attempt to resolve the dispute. This time period may be extended by IDEM for good cause. If agreement is reached, the Permittee shall submit a revised submission, if necessary, and shall implement the submission in accordance with such agreement.
5. If the IDEM and the Permittee are not able to reach agreement within the 14-day period, or such longer period corresponding to IDEM's extension for good cause, the Permittee may submit any additional written arguments and evidence not previously submitted, or further explain any arguments or evidence previously submitted, to the Commissioner. Based on the record, the Commissioner, or delegate, will thereafter issue a written decision that shall include a response to the Permittee's arguments and evidence. This written decision will constitute final agency action.
6. Notwithstanding the invocation of this dispute resolution procedure, the Permittee shall proceed to take any action required by those portions of the submission and of the permit that IDEM determines are not substantially affected by the dispute. The activity schedule for those portions of the submission and of the permit which are substantially affected by the dispute shall be suspended during the period of dispute resolution.

F. CORRECTIVE ACTION ACTIVITIES SCHEDULE

<u>Activity</u>	<u>Due Date</u>
1. IM Workplan	60 days after notice by the Section Chief or his/her designee
2. Notification of new identified SWMUs	30 days after discovery
3. RFI Workplan for newly identified SWMUs	90 days after receipt of Section Chief's comments
4. RFI Workplan Modification	60 days after receipt of Section Chief's comments
5. RFI Implementation	30 days after Workplan approved
6. RFI Report	90 days after completion of RFI

- | | |
|---|---|
| 7. RFI Report Modification | 30 days after receipt of Section Chief's comments |
| 8. Progress Reports on Tasks I through IV (See Corrective Action Scope of Work) | Quarterly, until construction of the corrective measure(s) is complete, semi-annually thereafter and submitted with 45 days after the end of the reporting period |
| 9. CMS Report | 60 days after receipt of Section Chief's notification |
| 10. CMS Report Modification | Upon the date mutually agreed to between the Permittee and the Agency |
| 11. Permit Modification for Corrective Measure Implementation | 30 days after receipt of Section Chief's notification (Modification may be a Class 1, 2, or 3 at Section Chief's discretion) |
| 12. CMI Program Plan | Upon the date mutually agreed to between the Permittee and the Agency |
| 13. CMI Program Plan Modification | Upon the date mutually agreed to between the Permittee and the Agency |
| 14. CMI Reports | Semi-annually thereafter in accordance with the schedule outlined in paragraph 8. |
| 15. CMI Report Modification | Upon the date mutually agreed to between the Permittee and the Agency. |
| 16. Operation and Maintenance Progress Reports | Quarterly, until construction of corrective measure is complete, semi-annually thereafter in accordance with the schedule outlined in paragraph 8. |

